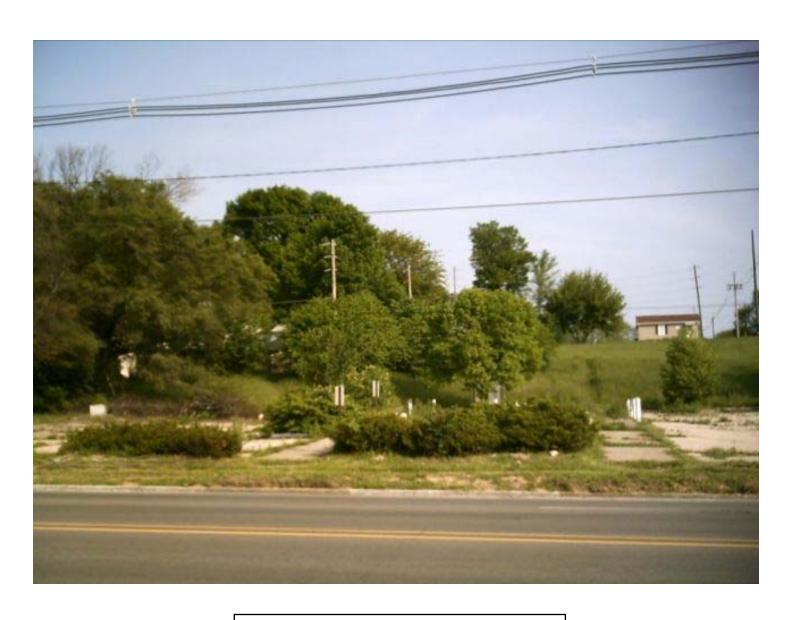
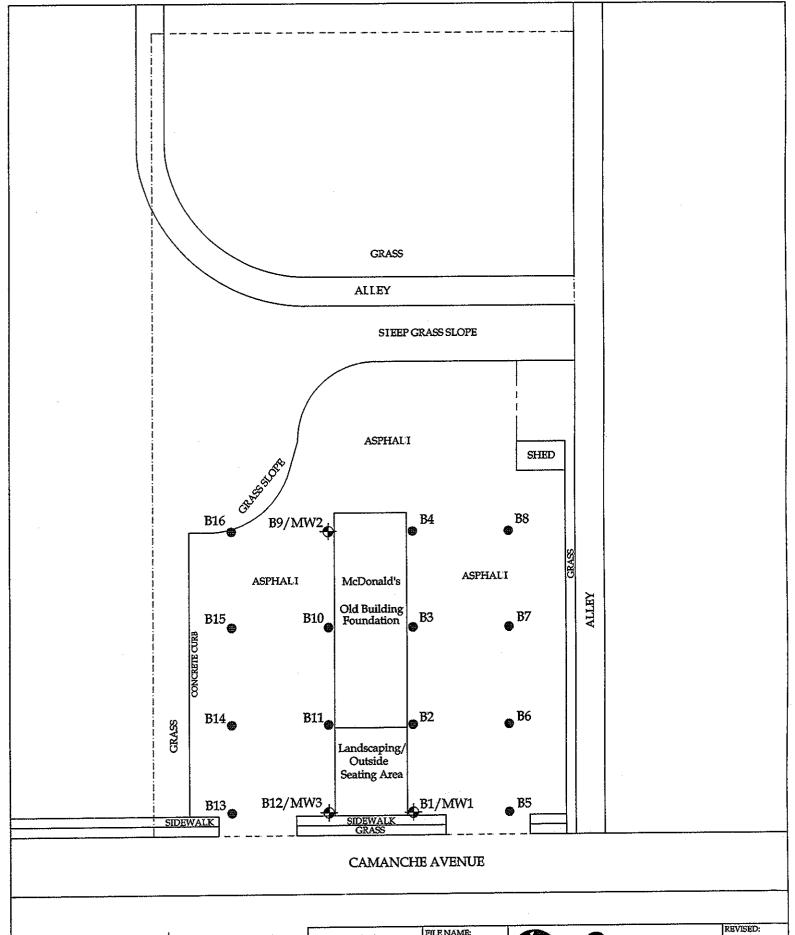
APPENDIX 7

FORMER MCDONALDS (J) – 1616 CAMANCHE AVENUE, CLINTON / IDNR REGISTRATION NO. 197910539, IDNR LUST NO. 9LTL92

PHOTOS, MAPS, TABLES, WELL LOGS/WELL CONSTRUCTION DIAGRAMS, & ANALYTCIAL DATA SHEETS

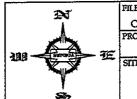


Former McDonald's, 1616 Camanche Avenue



MONITORING WELL

SOIL BORING



CLINION USI
PROJECT NO:
6246500

Seneca
Environmental Services

01/19/05 DATE: 8/25/04

SITE: CLINTON UST FIELDS
FORMER McDONALD'S
1616 CAMANCHE - CLINTON, IOWA
SITE PLAN MAP

LUST #: REVIEWED BY:
N/A SF
SCALE: DRAWN BY:
1" = 40' RLH

CLINTON USTFIELDS FORMER IMCDONALD'S 1616 CAMANCHE AVENUE (J)

WELL/								TEH-		GROUND			SOIL	
BH				, .			TEH-	WASTE		SURFACE			SAMPLE	WATER
LABEL	DATE	SOIL/GW	BENZENE	SOIL/GW BENZENE TOLUENE	ETHYLBENZENE XYLENE	XYLENE	DIESEL	OII	MTBE	ELEVATION	TOC	TOS	DEPTH	LEVEL
B1	B1 10/13/2004	Soil	<0.005	0.622	8.9	17.7	393	29.5	29.5 < 0.015	NA	NA	NA	4	10
B2	B2 10/13/2004	Soil	0.007	0.077	60.0	0.514	45.4	<10;	<10 < 0.015	NA	NA	NA	9	NA
B3	B3 10/13/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	10	NA
B4	B4 10/13/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	10	NA
B5	B5 10/13/2004	LioS	<0.005	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	9	NA
B6	B6 10/13/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10 	<10 <0.015	NA	NA	NA	4	AN
B7	B7 10/13/2004	IioS	<0.005	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	9	NA
B8	B8 10/13/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	ΥN	3	NA
B	B9 10/13/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10.	<10 <0.015	NA	NA	VΝ	10	10
B10	B10 10/13/2004	IioS	<0.005	<0.005	<0.005	<0.015	01>	<10	<10 <0.015	NA	NA	NA	10	10
B11	B11 10/13/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	10	10
B12	B12 10/13/2004	Soil	\$00.0>	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	L	7
B13	B13 10/13/2004	Soil	<0.005	0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	8	8
B14	B14 10/13/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	8	8
B15	B15 10/13/2004	Soil	<00.0>	0.064	0.025	0.153	<10	<10	<10 <0.015	NA	NA	NA	8	8
B16	B16 10/13/2004	Soil	<0.005	<0.005	<0.005	<0.015	<10	<10	<10 <0.015	NA	NA	NA	6	6
MW1	MW1 10/20/2004	MĐ	137	13900	2920	12600	82200	513	<100	604.51	604.23	599.23	NA	596.69
MW2	MW2 10/20/2004	MĐ	[>		 	3	<380	085>	<1	606.45	606.45 605.87 600.87	600.87	NA	598.26
MW3	MW3 10/20/2004	ΜĐ	\	4.8	1.2	5.5	<380	<380	<1	604.39	604.39 604.01	599.01	NA	595.95

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: Facility Name: Clinton UST Fields-Former Facility Street Address: 1616 Camanche Ave Clinton, IA **B1/MW1** McDonald's Boring Depth (ft) X Diameter (in): 15' x 8 1/4" Drilling Method: Hollow Stem Auger Logged by: Todd Felderman Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40782 SENECA Top of Casing **Ground Surface** Elevation (ASL): 604.51 Elevation (ASL): 604.23 Date: 10/13/2004 Date: 10/13/2004 UST LUST Start Time: 7:00 AM End Time: 7:30 AM Number: N/A Number: N/A pm **Blow Count** PID / FID Rock Formations, Soil, Color and Depth Well Construction Details Sample Classifications, Observations if applicable (feet) No. Type* Reading (moisture, odor, etc.) First column for USCS Well top -- 0 Surface Cover- Asphalt Bentonite 0 - 1 SPI 1'-2' Sand and Gravel - 2 98 CLI 2-3' Blackish Green - 3 295 Silty Clay, stong odor 3-5' Highly weathered soft Riser **HSA** *703 - 4 gray rock, strong odor - 5 565 5-15' Highly weathered layered rock, strong odor - 6 488 - 7 436 318 EOB= 15' - 8 -Sand pack - 9 289 Soil Sample @ 4' -- 10 Well Set at 15' ·· 11 5' Riser, 10' Screen - 12 - 13 - 14 -- 15 - 16 - 17 - 18 - 19 -20Well completed with 2" SCH 40 PVC with 10-slot, 10' screen

* SS (split spoon) HS (hollow stem auger)

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	594.23		
Static Water Level Symbol v	Time:	7:30 AM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: Facility Name: Clinton UST Fields-Former Facility Street Address: 1616 **B9/MW2** Camanche Ave Clinton, IA McDonald's Boring Depth (ft) X Diameter (in): 15' x 8 1/4" Drilling Method: Hollow Stem Auger Logged by: Todd Felderman Well Contractor Name: Robinson Contracting, Inc. SENECA Registration Number: 40782 Top of Casing **Ground Surface** Elevation (ASL): Elevation (ASL): 606.45 605.87 LUST Date: 10/13/2004 Date: 10/13/2004 UST Number: N/A Start Time: 11:00 End Time: 11:30 AM Number: N/A AM Well Construction Details **Blow Count** PID / FID Rock Formations, Soil, Color and Depth Sample Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS Well top -- 0 Surface Cover- Asphalt Bentonite 0 - 1 CLI 0-1' Black Silt - 2 0 CLI 1-5' Brown silt, some - 3 0 clay, dry no odor Riser 0 - 4 0 - 5 CL] 5-10' Brown Silty Clay, with gravel - 6 0 0 - 7 - 8 0 Sand pack - 9 0 10-15' Highly weathered -- 10 **HSA** 0* lavered rock - 11 0 0 - 12 EOB= 15' 0 - 13 - 14 0 Soil Sample @ 10' -- 15 0 Well Set at 15' 5' Riser, 10' Screen - 16 - 17 - 18 - 19 Well completed with 2" SCH 40 -- 20 PVC with 10-slot, 10' screen.

* SS (split spoon) HS (hollow stem auger)

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	595.87		
Static Water Level Symbol v	Time:	11:30 AM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: Facility Name: Clinton UST Fields—Former Facility Street Address: 1616 B12/MW3 McDonald's Camanche Ave Clinton, IA Boring Depth (ft) X Diameter (in): 15' x 8 1/4" Drilling Method: Hollow Stem Auger Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman **SENECA** Registration Number: 40782 Top of Casing **Ground Surface** Elevation (ASL): Elevation (ASL): 604.01 604.39 LUST Date: 10/13/2004 UST Date: 10/13/2004 Start Time: 12:30 Number: N/A End Time: 1:00 PM Number: N/A PM PID / FID Depth Well Construction Details **Blow Count** Sample Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable Reading No. Type* (moisture, odor, etc.) First column for USCS Well top -0 Surface Cover- Asphalt **Bentonite** - 1 0 SPI 1'-2' Sand and Gravel - 2 0 CLI 2-4' Black Silty Clay, CL | 4-7' Brown Silty Clay, - 3 0 Riser with gravel - 4 0 GC| 7-9' Green Clayey -- 5 0 Gravel - 6 0 V - 7 **HSA** 0* CL|9-14' Brown Silty Clay - 8 0 -Sand pack - 9 0 14-15' Highly weathered -- 10 0 lavered rock - 11 0 - 12 0 EOB≈ 15' - 13 0 - 14 0 Soil Sample @ 7' - 15 0 Well Set at 15' 5' Riser, 10' Screen - 16 - 17 - 18 - 19 Well completed with 2" SCH 40 -- 20 PVC with 10-slot, 10' screen.

* SS (split spoon) HS (hollow stem auger)

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	597.01		
Static Water Level Symbol v	Time:	1:00 PM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Facility Name: Clinton UST Facility Street Address: 1616 Boring / Well Number: B2 Fields—Former McDonald's Camanche Ave Clinton, IA Drilling Method: HSA Boring Depth (ft) X Diameter (in): 9' x 8.25" Logged by: Todd Felderman Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617 Top of Casing **Ground Surface** Elevation (ASL): N/A Elevation (ASL): N/A UST LUST Date: 10/13/04 Date: 10/13/04 Number N/A Start Time: 7:30 Am End Time: 8:00 AM Number N/A **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Depth Well Construction Details Classifications, Observations if applicable Reading (feet) No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 0-1' Gravel 1 0 0 2 CL| 1-3' Black Silt, dry **Monitoring Well Not** 0 3 3-5' Grey Highly Installed 0 4 Weathered, Soft Layered 43 Rock 5 5-6' Yellow Highly **Boring Backfilled with** 6 **HSA** 698* Weathered, Soft Layered **Bentonite** 7 666 Rock CLI 6-9' Black Silt 589 8 537 9 9' Bedrock 10 11 EOB= 9' 12 Soil Sample @ 6' 13 14 15 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	_		
Static Water Level Symbol v	Time:	_		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B3 Facility Name: Clinton UST Facility Street Address: 1616 Fields—Former McDonald's Camanche Ave Clinton, IA Boring Depth (ft) X Diameter (in): 10' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 10/13/04 Date: 10/13/04 UST LUST Start Time: 8:00 Am End Time: 8:30 AM Number N/A Number N/A Depth Well Construction Details **Blow Count** PID / FID Sample Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable Reading No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 0-1' Gravel 1 0 2 0 CLJ 1-3' Brown Silty Clay 3 **Monitoring Well Not** 0 3-5' Light Brown Highly Installed 4 0 Weathered, Soft Layered 5 0 Rock 5-10' PaleYellow Highly **Boring Backfilled with** 6 0 Weathered, Soft Layered **Bentonite** 7 0 Rock 8 0 9 0 10 0* **HSA** EOB= 10' 11 Soil Sample @ 10' 12 13 14 15 16 17

Observations	Date:	10/13/2004			
Water Levels (ASL)	Level:	-		,	
Static Water Level Symbol v	Time:				

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Facility Street Address: 1616 Boring / Well Number: B4 Facility Name: Clinton UST Fields—Former McDonald's Camanche Ave Clinton, IA Drilling Method: HSA Boring Depth (ft) X Diameter (in): 10' x 8.25" Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A LUST Date: 10/13/04 Date: 10/13/04 UST Start Time: 8:30 Am End Time: 9:00 AM Number N/A Number N/A **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Depth Well Construction Details Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 1-2' Gravel 1 0 0 2 2-5' Brown Silt 3 **Monitoring Well Not** 0 5-10' PaleYellow Highly Installed 0 4 Weathered, Soft Layered 5 0 Rock **Boring Backfilled with** 6 0 **Bentonite** 7 0 EOB= 10' 8 0 9 0 Soil Sample @ 10' **HSA** 0* 10 11 12 13 14 15 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:			
Static Water Level Symbol v	Time:	_		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Facility Name: Clinton UST Facility Street Address: 1616 Boring / Well Number: B5 Camanche Ave Clinton, IA Fields—Former McDonald's Drilling Method: HSA Boring Depth (ft) X Diameter (in): 6' x 8.25" Logged by: Todd Felderman Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617 Top of Casing **Ground Surface** Elevation (ASL): N/A Elevation (ASL): N/A LUST Date: 10/13/04 Date: 10/13/04 **UST** Start Time: 9:00 Am End Time: 9:30 AM Number N/A Number N/A PID / FID Rock Formations, Soil, Color and Depth Well Construction Details Blow Count Sample Classifications, Observations Reading if applicable (feet) No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 0-1' Gravel 0 1 0 2 CL | 1-3' Black Silty Clay **Monitoring Well Not** 3 0 3-6' Pale Yellow Highly Installed 0 4 Weathered, Soft Layered 0 Rock 5 **Boring Backfilled with** 0* **HSA** 6 **Bentonite** 7 EOB= 6' 8 9 Soil Sample @ 6' 10 11 12 13 14 15 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	_		
Static Water Level Symbol v	Time:			

so	IL BORIN	G LOG AND MC	NITORING	3 WEI	-L CO	NSTRUC	CTION DIAGRAM
Boring /	Well Number:	B6	Facility Name: Fields—Form				et Address: 1616 Ave Clinton, IA
Boring E	Pepth (ft) X D	iameter (in): 4' x 8.25"				Drilling Met	hod: HSA
	ntractor Name	: Robinson Contracting, 40617	Inc.			Logged by:	Todd Felderman
Ground	Surface			Top of	Casing		
Elevation	n (ASL): N/A			Elevati	ion (ASL): N/A	
Date: 10	/13/04	Date: 10/13/04		UST			LUST
Start Tin	ne: 9:30 Am	End Time: 10:00 AM		Numbe	er N/A		Number N/A
Depth (feet)	Well Constru	ction Details	Blow Count if applicable	Sample	Type*	PID / FID Reading	Rock Formations, Soil, Color and Classifications, Observations (moisture, odor, etc.) First column for USCS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Boring l	oring Well Not nstalled Backfilled with entonite			HSA	0 0 0	Surface Cover - Asphalt 0-1' Gravel 1-2' Black Silt CL 2-3' Brown Silty Clay 3-4' Pale Yellow Highly Weathered, Soft Layered Rock EOB= 4' Soil Sample @ 4

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	_		
Static Water Level Symbol v	Time:	_		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Facility Street Address: 1616 Facility Name: Clinton UST Boring / Well Number: B7 Fields—Former McDonald's Camanche Ave Clinton, IA Drilling Method: HSA Boring Depth (ft) X Diameter (in): 6' x 8.25" Logged by: Todd Felderman Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617 Top of Casing **Ground Surface** Elevation (ASL): N/A Elevation (ASL): N/A LUST Date: 10/13/04 UST Date: 10/13/04 Start Time: 10:00 End Time: 10:30 AM Number N/A Number N/A Am PID / FID Rock Formations, Soil, Color and Blow Count Sample Depth Well Construction Details Classifications, Observations if applicable (feet) Reading No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 1-2' Gravel 1 0 2 0 2-3' Brown Silt 3 **Monitoring Well Not** 0 3-6' Pale Yellow Highly Installed 0 4 Weathered, Soft Layered Rock 5 0 **Boring Backfilled with HSA** 0* 6 **Bentonite** 7 EOB= 6' 8 9 Soil Sample @ 6 10 11 12 13 14 15 16 17

^{*} SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)

Observations	Date:	10/13/2004			
Water Levels (ASL)	Level:	_			
Static Water Level Symbol v	Time:	-	:		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B8 Facility Name: Clinton UST Facility Street Address: 1616 Fields—Former McDonald's Camanche Ave Clinton, IA Boring Depth (ft) X Diameter (in): 3' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 10/13/04 Date: 10/13/04 UST LUST Start Time: 10:30 A End Time: 11:00 AM Number N/A Number N/A Depth Well Construction Details **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 0-1' Gravel 0 2 0 1-3' Light Brown Silt 3 **Monitoring Well Not** 0* **HSA** 3' Bedrock Installed 4 5 **Boring Backfilled with** 6 EOB= 3' **Bentonite** 7 Soil Sample @ 3 8 9 10 11 12 13 14 15 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	-		
Static Water Level Symbol v	Time:			

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B10 Facility Name: Clinton UST Facility Street Address: 1616 Fields—Former McDonald's Camanche Ave Clinton, IA Drilling Method: HSA Boring Depth (ft) X Diameter (in): 15' x 8.25" Logged by: Todd Felderman Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617 Top of Casing **Ground Surface** Elevation (ASL): N/A Elevation (ASL): N/A Date: 10/13/04 Date: 10/13/04 UST LUST Number N/A Number N/A Start Time: 11:30 A End Time: 12:00 PM Depth **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Well Construction Details Classifications, Observations if applicable Reading (feet) No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 1-2' Black Silt 1 0 2 0 CL| 2-5' Brown Silty Clay, damp, trace of gravel **Monitoring Well Not** 0 3 Installed 0 4 5-10' Brown Silty Clay 5 0 **Boring Backfilled with** 6 0 **Bentonite** 7 0 0 8 10-13' Brown Silty Clay 0 9 with Gravel HSA 0* 10 0 11 13-15' Highly weathered 0 12 layered rock 0 13 0 14 EQB= 15' 15 0 Soil Sample @ 10' 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	10		
Static Water Level Symbol v	Time:	12:00 PM	 	

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B11 Facility Name: Clinton UST Facility Street Address: 1616 Fields—Former McDonald's Camanche Ave Clinton, IA Boring Depth (ft) X Diameter (in): 15' x 8 25" Drilling Method: HSA Logged by: Todd Felderman Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A LUST Date: 10/13/04 Date: 10/13/04 UST Start Time: 12:00 P End Time: 12:30 PM Number N/A Number N/A Blow Count Sample PID / FID Rock Formations, Soil, Color and Depth Well Construction Details Classifications, Observations if applicable Reading (feet) No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 1-2' Black Silt 0 1 2 0 CLI 2-5' Brown Silty Clay, damp, trace of gravel **Monitoring Well Not** 3 0 Installed 4 0 5-10' Brown Silty Clay 5 0 **Boring Backfilled with** 0 6 **Bentonite** 7 0 8 0 10-13' Brown Silty Clay 0 9 with Gravel **HSA** 0* 10 0 11 13-15' Pale Yellow Highly 12 0 weathered layered rock 0 13 0 14 EOB= 15' 0 15 Soil Sample @ 10' 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	10		
Static Water Level Symbol v	Time:	12:30 PM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B13 Facility Name: Clinton UST Facility Street Address: 1616 Fields—Former McDonald's Camanche Ave Clinton, IA Boring Depth (ft) X Diameter (in): 15' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A LUST Date: 10/13/04 Date: 10/13/04 UST Start Time: 1:00 P End Time: 1:30 PM Number N/A Number N/A **Blow Count** Sample PID / FID Rock Formations, Soil, Color and Depth Well Construction Details Classifications, Observations if applicable Reading (feet) No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 CLI 1-3' Black Silty Clay 0 1 0 2 CLI 3-8' Brown Silty Clay, **Monitoring Well Not** 3 0 Installed 4 0 CLI 8-13' Brown Silty Clay with Gravel 5 0 **Boring Backfilled with** 6 0 **Bentonite** 7 0 **HSA** 0* 8 13-15' Brown Silty Clay 0 9 0 10 EOB≈ 15' 0 11 12 0 Soil Sample @ 8' 0 13 0 14 0 15 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	8.0		
Static Water Level Symbol v	Time:	1:30 PM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B14 Facility Name: Clinton UST Facility Street Address: 1616 Fields-Former McDonald's Camanche Ave Clinton, IA Boring Depth (ft) X Diameter (in): 15' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 10/13/04 Date: 10/13/04 UST LUST Start Time: 1:30 P End Time: 2:00 PM Number N/A Number N/A Depth **Blow Count** PID / FID Well Construction Details Sample Rock Formations, Soil, Color and Classifications, Observations (feet) if applicable Reading No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 CLI 1-2' Black Silty Clay, 1 0 dry 2 0 CLI 2-5' Brown Silty Clay, **Monitoring Well Not** 3 0 Installed 4 0 5 0 CL| 5-10' Brown Silty Clay **Boring Backfilled with** with Gravel 6 0 **Bentonite** 7 0 8 **HSA** 0* CLI 10-13' Brown gravely 9 0 silty clay 10 0 11 0 13-15' Brown Silty Clay, 12 0 trace of gravel 13 0 14 0 EOB= 15' 15 0 Soil Sample @ 8' 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	8.0		
Static Water Level Symbol v	Time:	2:00 PM		

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Boring / Well Number: B15 Facility Name: Clinton UST Facility Street Address: 1616 Fields—Former McDonald's Camanche Ave Clinton, IA Boring Depth (ft) X Diameter (in): 15' x 8.25" Drilling Method: HSA Well Contractor Name: Robinson Contracting, Inc. Logged by: Todd Felderman Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A Date: 10/13/04 Date: 10/13/04 UST LUST Start Time: 2:00 P End Time: 2:30 PM Number N/A Number N/A Well Construction Details PID / FID Depth **Blow Count** Rock Formations, Soil, Color and Sample Classifications, Observations (feet) if applicable Reading No. Type* (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 1-2' Gravel 2 0 CL| 2-5' Brown Silty Clay, 3 **Monitoring Well Not** 0 installed 4 0 CL| 5-10' Brown Silty Clay 5 0 **Boring Backfilled with** 6 0 **Bentonite** 0 CLI 10-15' Brown silty clay 0* 8 **HSA** 9 0 10 0 EOB= 15' 11 0 12 0 Soil Sample @ 8' 13 0 14 0 15 0 16 17

* SS (split spoon) HS (hollow stem auger) HAG (hand auger grab)

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	8		
Static Water Level Symbol v	Time:	2:30 PM		

DNR FORM 542-1392

SOIL BORING LOG AND MONITORING WELL CONSTRUCTION DIAGRAM Facility Street Address: 1616 Boring / Well Number: B16 Facility Name: Clinton UST Fields—Former McDonald's Camanche Ave Clinton, IA Drilling Method: HSA Boring Depth (ft) X Diameter (in): 15' x 8.25" Logged by: Todd Felderman Well Contractor Name: Robinson Contracting, Inc. Registration Number: 40617 **Ground Surface** Top of Casing Elevation (ASL): N/A Elevation (ASL): N/A LUST Date: 10/13/04 Date: 10/13/04 UST Start Time: 2:30 P End Time: 3:00 PM Number N/A Number N/A Depth **Blow Count** Sample PID / FID Rock Formations, Soil. Color and Well Construction Details Classifications, Observations (feet) if applicable No. Type* Reading (moisture, odor, etc.) First column for USCS Surface Cover - Asphalt 0 CL| 1-2' Black Silty Clay 1 0 2 0 CL| 2-5' Brown Silty Clay, 3 **Monitoring Well Not** 0 Installed 0 4 CLI 5-10' Brown Silty Clay 5 0 **Boring Backfilled with** 6 0 **Bentonite** 7 0 CLI 10-15' Brown silty clay 8 0 **HSA** 0* 9 10 0 EOB= 15' 0 11 12 0 Soil Sample @ 9' 13 0 14 0 0 15 16 17

Observations	Date:	10/13/2004		
Water Levels (ASL)	Level:	9		
Static Water Level Symbol v	Time:	3:00 PM		

ANALYTICAL REPORT

11 1 1 1 1 1 1 1

Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

10/28/2004

TestAmerica Job: 04.14579

Bettendorf, IA 52722

Project Number: 6246500

Project: Clinton USTS-SMC Properties

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Cedar Falls Division of TestAmerica, Inc. for analysis.

Sample <u>Number</u>	Sam	ple Description	Date <u>Taken</u>	Date <u>Received</u>
831145 831146 831147 831148 831150 831151 831152 831153 831154 831155 831156 831157 831158 831159 831160	B1 B2 B3 B4 B5 B6 B7 B8 B10 B11 B12 B13 B14 B15 B16	4' 6' 10' 10' 6' 4' 6' 3' 10' 10' 10' 10' 9'	10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004 10/13/2004	10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004 10/15/2004
021100	טוט	y	10/13/2004	10/15/2004

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

John R. Paulson Project Coordinator



Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Job Number: 04.14579

Bettendorf, IA 52722 800-728-6900

Sample Number: 831145

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

10/28/2004

Job Description: CLINION USIS-SMC PROPERILES

Date Taken: 10/13/2004

6246500

Sample ID: B1 4' Analyte USI VOLAIIIE COMPOUNDS - 8260	Result	<u>Units</u>	Result <u>Flaq</u>	<u>Analyst</u>	Date <u>Analyzed</u>	Date Received:	10/15/2004 Quantitation 	<u>Matrix</u>
Benzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.005	SOII
Ioluene	0 622	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Ethylbenzene	6.8	mg/kg		dmd	10/27/2004	IA OA-1/8260B	0 1	soII
Xylenes, Total	177	mg/kg		dmd	10/27/2004	IA OA-1/8260B	0 37	sou
MIBE	<0015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 015	son
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		soII
EXIRACIABLE HYDROCARBONS-SOIL								
Iotal Extractable Hydrocarbons	1,950	mg/kg		ljm	10/21/2004	IA-0A2/S-8015	10	soii
Diesel	393	mg/kg		ljm	10/21/2004	IA-0A2/S-8015	10	soII
Gasoline	1,530	mg/kg		ljm	10/21/2004	IA-0A2/S-8015	10	soll
Motor Oil	29.5	mg/kg	В	ljm	10/21/2004	IA-0A2/S-8015	10	SOII

All results are calculated on a wet weight basis. B - This analyte was detected in the method blank.

Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Job Number: 04.14579

Sample Number:

Bettendorf, IA 52722 800-728-6900

6246500

831146

10/28/2004

Collected by: Iodd Felderman Collectors Phone No.: 800-369-3500

Job Description: CIINTON USIS-SMC PROPERTIES

Date Taken: 10/13/2004

Sample ID: B2 6'

Date Received: 10/15/2004

Dampie ID. Dz. V						Date Received	. 10/15/2009	
			Result		Date		Quantitation	
Analyte USI VOIAIIIE COMPOUNDS - 8260	Result	Units	Flag	Analyst	Analyzed	Method	Limit	Matrix
Benzene	0007	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	son
Ioluene	0.077	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 005	SOIL
Ethylbenzene	0090	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.005	SOII
Xylenes, Iotal	0514	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 015	som
MIBE	<0 015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 015	SOIL
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		SOIL
EXIRACIABLE HYDROCARBONS-SOII								
Iotal Extractable Hydrocarbons	190	mg/kg		ljm	10/21/2004	IA-0A2/\$-8015	10	SOII
Diesel	45 .4	mg/kg		ljm	10/21/2004	IA-OA2/S-8015	10	SOII
Gasoline	145	mg/kg		ljm	10/21/2004	IA-OA2/S-8015	10	son
Motor Oil	<10	mg/kg	В	ljm	10/21/2004	IA-0A2/S-8015	10	soII

All results are calculated on a wet weight basis.

B - This analyte was detected in the method blank.

ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

10/28/2004

Job Number: 04.14579

Bettendorf, IA 52722

800-728-6900

Sample Number: 831147

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CIINION USIS-SMC PROPERIIES

6246500

Date Taken: 10/13/2004

Sample ID: B3 10'

Date Received: 10/15/2004

			Result		Date		Quantitation	
<u>Analyte</u>	Result	<u>Units</u>	Flag	<u>Analyst</u>	<u>Analyzed</u>	Method	<u>Limit</u>	Matrix
USI VOLAIILE COMPOUNDS - 8260								
Benzene	<0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	son
		9,9		***************************************	10, 20, 200 1	111 011 17 02000	0003	5011
Toluene	<0 005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Ethylbenzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOIL
Xylenes, Iotal	<0.015	mg/kg		mnk	10/20/2004	IA OA-1/8260B	0015	SOIL
	***************************************	9,9		1101172	20, 20, 200	111 011 17 02000	0.015	3011
MIBE	<0015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0015	SOIL
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		SOII
EXIRACIABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		1jm	10/21/2004	IA-0A2/S-8015	10	SOIL
								
Diesel	<10	mg/kg		ljm	10/21/2004	IA-OA2/S-8015	10	SOIL
Gasoline	<10	mg/kg		ljm	10/21/2004	IA-OA2/S-8015	10	sori
		2,		,				
Motor Oil	<10	mg/kg	В	1jm	10/21/2004	IA-0A2/S-8015	10	SOIL

All results are calculated on a wet weight basis B - Ihis analyte was detected in the method blank 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Bettendorf, IA 52722 800-728-6900

10/28/2004

Job Number:

04.14579

Sample Number:

831148

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

Limit

0..005

Matrix

SOIL

SOII

Job Description: CLINION USIS-SMC PROPERILES

6246500

Date Iaken: 10/13/2004

Sample ID: B4 10' Date Received: 10/15/2004 Result Date Quantitation Analyst Analyzed Result <u>Units</u> Flag Analyte Method USI VOLATILE COMPOUNDS - 8260 <0.005 10/20/2004 IA OA-1/8260B Benzene mg/kg mmk

Ioluene <0..005 mg/kg 10/20/2004 IA OA-1/8260B 0..005 SOII Ethylbenzene <0..005 10/20/2004 IA OA-1/8260B 0.005 SOIL ma/ka mmk Xylenes, Iotal <0..015 10/20/2004 IA OA-1/8260B SOII mg/kg mmk 0 015 MIBE <0..015 mg/kg 10/20/2004 IA OA-1/8260B 0 015 SOII Extraction Prep, soil COMPLEIE 10/15/2004 IOWA-0A2 SOII

acm

ljm

EXIRACIABLE HYDROCARBONS-SOII

Motor Oil

Total Extractable Hydrocarbons <10</pre> mg/kg 1jm 10/21/2004 IA-OA2/S-8015 SOII Diesel <10 10/21/2004 IA-0A2/S-8015 SOII mg/kg ljm Gasoline SOIL <10 10/21/2004 IA-OA2/S-8015 mg/kg ljm 10

mg/kg B

All results are calculated on a wet weight basis. B - This analyte was detected in the method blank.

<10

10/21/2004

IA-0A2/S-8015

10

ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Job Number: 04.14579

10/28/2004

Bettendorf, IA 52722 800-728-6900

Sample Number: 831149

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINION USIS-SMC PROPERILES

Date Taken: 10/13/2004

6246500

Sample ID: B5 6'

Date Received: 10/15/2004

Sambre ID: B2 6.						Date Received:	10/15/2004	
Analyte	Result	Units	Result Flaq	Analyst	Date Analyzed	Method	Quantitation Limit	Matrix
USI VOLATILE COMPOUNDS - 8260						***************************************		
Benzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 005	SOIL
Ioluene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 005	soii
Ethylbenzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 005	SOII
Xylenes, Iotal	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 015	soii
MIBE	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 015	SOII
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		soii
EXIRACIABLE HYDROCARBONS-SOII								
Iotal Extractable Hydrocarbons	<10	mg/kg		ljm	10/21/2004	IA-OA2/S-8015	10	SOII
Diesel	<10	mg/kg		ljm	10/21/2004	IA-OA2/S-8015	10	SOII
Gasoline	<10	mg/kg		1jm	10/21/2004	IA-0A2/S-8015	10	soii
Motor Oil	<10	mg/kg	В	1jm	10/21/2004	IA-0A2/S-8015	10	SOII

All results are calculated on a wet weight basis $\ensuremath{\mathtt{B}}$ - This analyte was detected in the method blank



ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Bettendorf, IA 52722 800-728-6900 10/28/2004

Job Number: 04.14579

Sample Number: 831150

Collected by: Iodd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USIS-SMC PROPERTIES

Date Taken: 10/13/2004

6246500

ate Received: 10/15/2004

Sample ID: B6 4'						Date Received:	10/15/2004	
			Result		Date		Quantitation	
Analyte	Result	Units	Flag	<u>Analyst</u>	Analyzed	Method	Limit	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0 005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Toluene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Ethylbenzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 005	SOII
Xylenes, Iotal	<0015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	SOII
MIBE	<0015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0015	SOIL
Extraction Prep, soil	COMPLETE			acm	10/15/2004	10WA-0A2		SOII
EXIRACIABLE HYDROCARBONS-SOII								
Iotal Extractable Hydrocarbons	120	mg/kg		ljm	10/21/2004	IA-QA2/\$-8015	10	soli
Diesel	<10	mg/kg		ljm	10/21/2004	IA-0A2/S-8015	10	SOII
Gasoline	<10	mg/kg		ljm	10/21/2004	IA-OA2/S-8015	10	soir
Motor Oil	120	mg/kg	В	ljm	10/21/2004	IA-0A2/S-8015	10	SOII

All results are calculated on a wet weight basis. $B \sim This$ analyte was detected in the method blank.



Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

10/28/2004

Job Number:

04.14579

Bettendorf, IA 52722

Sample Number:

831151

800-728-6900

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINION USIS-SMC PROPERILES

Date Taken: 10/13/2004

6246500

Sample ID: B7 Date Received: 10/15/2004 Result Date Quantitation Result Units Flag Analyst Analyzed Method Limit Matrix UST VOLATILE COMPOUNDS - 8260 Benzene <0..005 10/20/2004 IA OA-1/8260B 0.005 SOIL mg/kg mmak 10/20/2004 Ioluene <0..005 IA OA-1/8260B 0 005 mg/kg mmk SOTI Ethylbenzene <0..005 mg/kg 10/20/2004 IA OA-1/8260B 0.005 SOIL Xylenes, Iotal <0..015 mg/kg 10/20/2004 IA OA-1/8260B 0 015 SOII mmk MIBE <0..015 IA OA-1/8260B 0 015 ma/ka 10/20/2004 SOTE mmk Extraction Prep, soil COMPLEIE 10/15/2004 IOWA-0A2 SOIL EXIRACIABLE HYDROCARBONS-SOIL Total Extractable Hydrocarbons <10 mg/kg 10/21/2004 IA-0A2/S-8015 10 SOIL lim Diesel <10 mg/kg ljm 10/21/2004 IA-0A2/S-8015 10 SOIL Gasoline <10 10/21/2004 IA-0A2/S-8015 SOII mg/kg 1jm Motor Oil <10 10/21/2004 IA-0A2/S-8015 SOII ma/ka B 1im 10

All results are calculated on a wet weight basis B - This analyte was detected in the method blank



Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Job Number: 04 14579

Bettendorf, IA 52722

800-728-6900

Sample Number: 831152

Collected by: Iodd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USIS-SMC PROPERIIES 6246500

Date Iaken: 10/13/2004

10/28/2004

Sample ID: B8

Date Received: 10/15/2004

pambre in: B& 3,						Date Received:	: 10/15/2004	
Analyte USI VOLATILE COMPOUNDS - 8260	Result	<u>Units</u>	Result <u>Flaq</u>	Analyst	Date <u>Analyzed</u>	Method	Quantitation Limit	Matrix
Benzene	<0 .005	mg/kg		mak	10/20/2004	IA OA-1/8260B	0.005	som
Ioluene	<0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.005	SOII
Ethylbenzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 005	son
Xylenes, Total	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	SOII
MIBE	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	soir
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		soli
EXIRACIABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	10/21/2004	IA-0A2/S-8015	10	soli
Diesel	<10	mg/kg		1jm	10/21/2004	IA-0A2/S-8015	10	soil
Gasoline	<10	mg/kg		ljm	10/21/2004	IA-OA2/S-8015	10	soli
Motor Oil	<10	mg/kg	В	1jm	10/21/2004	IA-0A2/S-8015	10	son

All results are calculated on a wet weight basis B - This analyte was detected in the method blank



Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Comple N

Job Number: 04.14579

Bettendorf, IA 52722 800-728-6900 Sample Number: 831153

Collected by: Iodd Felderman

Collectors Phone No : 800-369-3500

10/28/2004

Job Description: CLINION USIS-SMC PROPERILES

Date Taken: 10/13/2004

6246500 Sample ID: B9 10'

Date Received: 10/15/2004

						,,,_	
		Res	sult	Date		Quantitation	ı
Analyte USI VOIAIIIE COMPOUNDS - 8260	Result	<u>Units</u> <u>F</u>]	aq Analyst	Analyzed	Method	Limit	<u>Matrix</u>
Benzene	<0.005	mg/kg	mmk	10/22/2004	IA OA-1/8260B	0005	SOII
Toluene	<0.005	mg/kg	mmk	10/22/2004	IA OA-1/8260B	0005	SOII
Ethylbenzene	<0.005	mg/kg	mmk	10/22/2004	IA OA-1/8260B	0005	SOII
Xylenes, Iotal	<0 015	mg/kg	mmk	10/22/2004	IA OA-1/8260B	0.015	SOII
MIBE	<0 015	mg/kg	mmk	10/22/2004	IA OA-1/8260B	0.015	SOII
Extraction Prep, soil	COMPLEIE		acm	10/15/2004	IOWA-0A2	e e	son
EXIRACIABLE HYDROCARBONS-SOIL							
Iotal Extractable Hydrocarbons	<10	mg/kg	ljm	10/21/2004	IA-0A2/S-8015	10	soir
Diesel	<10	mg/kg	ljm	10/21/2004	IA-OA2/S-8015	10	son
Gasoline	<10	mg/kg	ljm	10/21/2004	IA-OA2/S-8015	10	SOII
Motor Oil	<10	ma/ka B	lim	10/21/2004	IA-0A2/S-8015	10	SOTE

All results are calculated on a wet weight basis B - Ihis analyte was detected in the method blank

704 Enterprise Drive · Cedar Falls, IA 50613 · 319-277-2401 · 800-750-2401 · Fax 319-277-2425

ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Job Number: 04.14579

10/28/2004

Bettendorf, IA 52722 800-728-6900 Sample Number: 831154

Collected by: Iodd Felderman Collectors Phone No : 800-369-3500

Job Description: CLINTON USIS-SMC PROPERIIES Date Taken: 10/13/2004

6246500

Sample ID: 810 10' Date Received: 10/15/2004

			Result		Date		Quantitation	
Analyte USI VOIAIIIE COMPOUNDS - 8260	Result	<u>Units</u>	Flag	Analyst	Analyzed	<u>Method</u>	<u>Limit</u>	<u>Matrix</u>
Benzene	<0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	son
Ioluene	<0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Ethylbenzene	<0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	son
Xylenes, Iotal	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	SOIL
міве	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	SOIL
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		SOII
EXIRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		ljm	10/22/2004	IA-0A2/S-8015	10	SOIL
Diesel	<10	mg/kg		ljm	10/22/2004	IA-0A2/S-8015	10	soil
Gasoline	<10	mg/kg		ljm	10/22/2004	IA-0A2/S-8015	10	SOIL
Motor Oil	<10	mg/kg	В	ljm	10/22/2004	IA-0A2/\$-8015	10	SOIL

All results are calculated on a wet weight basis.

B - This analyte was detected in the method blank.



Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Job Number: 04.14579

Bettendorf, IA 52722 800-728-6900

Sample Number: 831155

10/28/2004

Collected by: Iodd Felderman Collectors Phone No.: 800-369-3500

Job Description: CLINION USIS-SMC PROPERILES

Date Taken: 10/13/2004

6246500 Sample ID: B11 10'

Date Received: 10/15/2004

• ·						2000 10002100		
			Result		Date		Quantitation	
Analyte USI VOLATILE COMPOUNDS - 8260	Result	<u>Units</u>	<u>Flaq</u>	<u>Analyst</u>	Analyzed	Method	<u>Limit</u>	<u>Matrix</u>
Benzene	<0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.005	SOII
Ioluene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.005	SOII
Ethylbenzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Xylenes, Iotal	<0015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0015	SOII
MIBE	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	som
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		soII
EXIRACIABLE HYDROCARBONS-SOII								
Iotal Extractable Hydrocarbons	<10	mg/kg		ljm	10/22/2004	IA-0A2/S-8015	10	SOII
Diesel	<10	mg/kg		ljm	10/22/2004	IA-0A2/S-8015	10	SOII
Gasoline	<10	mg/kg		1jm	10/22/2004	IA-0A2/S-8015	10	SOII
Motor Oil	<10	mg/kg	В	ljm	10/22/2004	IA-0A2/S-8015	10	SOII

All results are calculated on a wet weight basis. B - This analyte was detected in the method blank.



Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

Bettendorf, IA 52722 800-728-6900

10/28/2004

Job Number: 04.14579

Sample Number: 831156

Collected by: Iodd Felderman

Collectors Phone No.: 800-369-3500

Job Description: CLINTON USIS-SMC PROPERTIES

6246500

Date Taken: 10/13/2004

Sample ID: B12 7'						Date Received:		
Analyte USI VOLATILE COMPOUNDS - 8260	Result	Units	Result Flag	<u>Analyst</u>	Date Analyzed	Method	QuantitationLimit	Matrix
Benzene	<0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	son
Toluene	<0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.005	som
Ethylbenzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 005	son
Xylenes, Iotal	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	som
MIBE	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	soir
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		\$ 01 1
EXIRACIABIE HYDROCARBONS-SOII								
Iotal Extractable Hydrocarbons	<10	mg/kg		ljm	10/22/2004	IA-OA2/S-8015	10	son
Diesel	<10	mg/kg		ljm .	10/22/2004	IA-0A2/S-8015	10	SOII
Gasoline	<10	mg/kg		1jm	10/22/2004	IA-OA2/S-8015	10	son
Motor Oil	<10	mg/kg	В	ljm	10/22/2004	IA-QA2/S-8015	10	SOIL

All results are calculated on a wet weight basis. B - This analyte was detected in the method blank

ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 10/28/2004

17851 244th Avenue

Job Number: 04.14579

Bettendorf, IA 52722 800-728-6900

Sample Number: 831157

Collected by: Iodd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USIS-SMC PROPERTIES

Date Iaken: 10/13/2004

6246500 Sample ID: B13 8'

Date Received: 10/15/2004

Sambre In: BI2 9.						Date Received:	10/15/2004	
Analyte	Result	<u>Units</u>	Result <u>Flaq</u>	Analyst	Date Analyzed	Method	QuantitationLimit	Matrix
USI VOLAIILE COMPOUNDS - 8260		-						
Benzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Toluene	0.005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Ethylbenzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0005	SOII
Xylenes, Iotal	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0015	SOIL
MIBE	<0.015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	soli
Extraction Prep, soil	COMPLETE			acm	10/15/2004	IOWA-0A2		SOII
EXIRACIABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons	<10	mg/kg		1jm	10/22/2004	IA-OA2/S-8015	10	SOII
Diesel	<10	mg/kg		ljm	10/22/2004	IA-OA2/S-8015	10	som
Gasoline	<10	mg/kg		1jm	10/22/2004	IA-0A2/S-8015	10	SOIL
Motor Oil	<10	mg/kg	В	1jm	10/22/2004	IA-0A2/S-8015	10	som

All results are calculated on a wet weight basis B - This analyte was detected in the method blank

ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV.

10/28/2004

17851 244th Avenue

Job Number: 04.14579

Bettendorf, IA 52722 800-728-6900

Sample Number: 831158

Collected by: Iodd Felderman Collectors Phone No : 800-369-3500

Job Description: CLINTON USIS-SMC PROPERITES Date Taken: 10/13/2004

6246500

Sample ID: B14 8' Date Received: 10/15/2004

			Result		Date		Quantitation	
Analyte	Result	<u>Units</u>	Flaq	<u>Analyst</u>	Analyzed	Method	Limit	<u>Matrix</u>
USI VOLAIILE COMPOUNDS - 8260								
Benzene	<0005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0 005	SOII
Toluene	<0 005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.005	SOII
Ethylbenzene	<0 005	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.005	SOII
-		J. J				,		****
Xylenes, Total	<0015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0015	SOII
MIBE	<0015	mg/kg		mmk	10/20/2004	IA OA-1/8260B	0.015	son
	VO 013	mg/ kg		пинх	10/20/2004	1A OA-1/0200B	0015	2011
Extraction Prep, soil	COMPLEIE			acm	10/18/2004	IOWA-0A2		SOIL
EXIRACIABLE HYDROCARBONS-SOII		÷						
Iotal Extractable Hydrocarbons	<10	mg/kg		ljm	10/22/2004	IA-OA2/S-8015	10	SOIL
Diesel	<10	mg/kg		1jm	10/22/2004	IA-0A2/S-8015	10	SOII
Gasoline	<10	mg/kg		1jm	10/22/2004	IA-OA2/S-8015	10	son
		yy			,,,	01.0, 0 0010	-4	5011
Motor Oil	<10	mg/kg		ljm	10/22/2004	IA-0A2/S-8015	10	SOIL

All results are calculated on a wet weight basis



ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 10/28/2004

17851 244th Avenue

Job Number: 04.14579

Bettendorf, IA 52722 800-728-6900

Sample Number: 831159

Collected by: Iodd Felderman

Collectors Phone No : 800-369-3500

Job Description: CLINTON USIS-SMC PROPERTIES

Date Taken: 10/13/2004

6246500 Sample ID: B15 8'

Date Received: 10/15/2004

			Result		Date		Quantitation	
Analyte USI VOIATILE COMPOUNDS - 8260	Result	<u>Units</u>	Flag	Analyst	Analyzed	Method	Limit	<u>Matrix</u>
Benzene	<0.,005	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0 005	soil
Ioluene	0.064	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0 005	som
Ethylbenzene	0.025	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0.005	SOII
Xylenes, Iotal	0153	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0.015	son
MIBE	<0.,015	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0.015	som
Extraction Prep, soil	COMPLEIE			acm	10/18/2004	IOWA-0A2		SOII
EXIRACIABLE HYDROCARBONS-SOIL								
Iotal Extractable Hydrocarbons	<10	mg/kg		1jm	10/22/2004	IA-0A2/S-8015	10	SOII
Diesel	<10	mg/kg		ljm	10/22/2004	IA-OA2/S-8015	10	son
Gasoline	<10	mg/kg		1jm	10/22/2004	IA-OA2/S-8015	10	SOII
Motor Oil	<10	mg/kg		1jm	10/22/2004	IA-OA2/S-8015	10	SOIL

All results are calculated on a wet weight basis.

ANALYTICAL REPORT

Mark Diehl SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

10/28/2004

Job Number: 04.14579

Bettendorf, IA 52722 800-728-6900

Sample Number: 831160

Collected by: Iodd Felderman Collectors Phone No.: 800-369-3500

Job Description: CLINION USIS-SMC PROPERITES

Date Taken: 10/13/2004

6246500

Sample ID: B16 9'						Date Received:	10/15/2004	
			Result		Date		Quantitation	
Analyte	Result	<u>Units</u>	Flaq	Analyst	Analyzed	Method	<u>Limit</u>	Matrix
USI VOLATILE COMPOUNDS - 8260								
Benzene	<0005	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0005	SOII
Ioluene	<0005	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0.005	SOII
Ethylbenzene	<0005	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0005	soli
Xylenes, Total	<0015	mg/kg		mmk	10/21/2004	IA QA-1/8260B	0.015	son
MIBE	<0015	mg/kg		mmk	10/21/2004	IA OA-1/8260B	0 015	SOII
Extraction Prep, soil	COMPLETE			acm	10/18/2004	IOWA-0A2		SOII
EXIRACTABLE HYDROCARBONS-SOIL								
Total Extractable Hydrocarbons		mg/kg		ljm	10/22/2004	IA-OA2/S-8015	10	SOII
Diesel	<10	mg/kg		1jm	10/22/2004	IA-OA2/S-8015	10	SOII
Gasoline	<10	mg/kg		ljm	10/22/2004	IA-OA2/S-8015	10	SOII
Motor Oil	<10	mg/kg		1jm	10/22/2004	IA-OA2/S-8015	10	SOII

All results are calculated on a wet weight basis.



TestAmerica Job Number: 04 14579

ATTACHMENTS

Following are the sample receipt log and the chain of custody applicable to this analytical report.

Any abnormalities or departures from sample acceptance policy shall be documented on the "Sample Receipt and Temperature Log Form" and Sample Non-Conformance Form" (if applicable) included with this report.

For information concerning certifications of this facility or another TestAmerica facility please visit our website at www.TestAmericaInc.com.

This data has been produced in compliance with 2002 NELAC Standards (July 2004), except where noted.

Samples collected by TestAmerica Field Services personnel are noted on the Chain of Custody (COC) and are sampled in accordance with TA-CF SOP CF09-01.

This report shall not be reproduced, except in full, without written approval of the laboratory

For questions regarding this report, please contact the individual who signed the analytical report.

Test merine corporation cedar Falls Division 704 Enterprise Drive ANALYTICAL TESTING CORPORATION CEDAR FAILS, IA 50613

Phone 319-277-2401 or 800-750-2401 Fax 319-277-2425

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring

	Project Name: Clinitan Waste - Swy Oras Nies	Project #: 4347500	Site/Location ID: Clim 1m State: 74	Dielel	Invoice To:	Quote#:	
Client Name Seneca Environmental Client #	Address: 17551 244 th Aue	City/State/Zip Code: Destended IA 52722	Project Manager: Mark Dehl	Telephone Number: 523 332-5000	Sampler Name: (Print Name) Todd Feld-rang A	Sampler Signature: 144 f.W.	Email Address:

				Matrix Preservation & # of Containers	Prese	rvation	\$ \$ \$	Contai	ners				Analyze For	e For:				Γ	
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Test/America

Cedar Falls Division 704 Enterprise Drive Cedar Falls, 1A 50613

Phone 319-277-2401 or 800-750-2401 Fax 319-277-2425

Client #:

Enviconmental

Client Name Servea

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring

QC Deliverables (Batch QC) Level 3 Level 4 Other: Level 2 REMARKS None Ø Project Name: Clivaton 11575 - SINC <u>#</u> LABORATORY COMMENT Project #: 6246500 Site/Location ID: Chinch Report To: Mar K Analyze For: Quote #: Invoice To: W MIBE ¥ CYO 140 Other (Specify) Preservation & # of Container lonsities *05² HOS Fæ. IOI NO Matrix Specify Other WW - Wastewater ળ PIIOS/IIOS - S GW - Groundwater S S S 3 SL - Sludge DW - Drinking Water Saras Filtered Ave G = Grab, C = Composite ග Ø Ф ೮ 10:48 10,30 18 Υ. M Felderman 322-8000 Tetelth City/State/Zip Code: Dettenday Date Sampled Project Manager: Mark Dieh 17851 Sampler Name: (Print Name) 7044 . Rush (surcharges may apply) Telephone Number: 563 Sampler Signature: Address:_ Email Address: z z Special instructions: 5 Ø Ø Ò 0 Fax Resuits: Email Results: B12 e TAT X Standard Date Needed: B13 e B14 e V Bile Ù SAMPLE ID 118

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ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

10/28/2004

TestAmerica Job: 04.14931

6克克克克斯

Bettendorf, IA 52722

Project Number: 6246500

Project: Clinton UST-McDonalds

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Cedar Falls Division of TestAmerica, Inc. for analysis.

Sample	Sample Description	Date	Date
<u>Number</u>		<u>Taken</u>	<u>Received</u>
832770	MW1	10/20/2004	10/22/2004
832771	MW2	10/20/2004	10/22/2004
832772	MW3	10/20/2004	10/22/2004

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

John R. Paulson Project Coordinator

ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

10/28/2004

Job Number: 04.14931

Bettendorf, IA 52722

800-728-6900

Sample Number: 832770

Collected by: Don Stribling Collectors Phone No : 800-369-3500

Job Description: CLINTON USI-MCDONALDS

6246500

Date Taken: 10/20/2004

Sample ID: MW1						Date Received:	10/22/2004	
Analyte	Booul#		Result Flag	Analyst	Date	Mathad	Quantitation	Mahain
USI VOLATILE COMPOUNDS - 8260	Result	Units	Flag	Analyst	Analyzed	<u>Method</u>	Limit	Matrix
Benzene	137	ug/I		dmd	10/26/2004	IA OA-1/8260B	100	WATER
Toluene	13,900	ug/I		dmd	10/26/2004	IA OA-1/8260B	100	WATER
Ethylbenzene	2,920	ug/I		dmd	10/26/2004	IA OA-1/8260B	100	WATER
W. 1	10.600				***	4/0000-		
Xylenes	12,600	ug/I		dmd	10/26/2004	IA OA-1/8260B	300	WAIER
MIBE	<100	ug/I		dmd	10/26/2004	IA OA-1/8260B	100	WAIER
Extraction Prep	COMPLETE			acm	10/22/2004	IOWA-0A2		WAIER
EXIRACIABLE HYDROCARBONS-WATER								
Total Extractable Hydrocarbons	540,000	ug/I		ljm	10/26/2004	IA-OA2/S-8015	7,600	WAIER
Diesel	82,200	ug/I		ljm	10/26/2004	IA-0A2/S-8015	7,600	WAIER
Gasoline	457,000	ug/I		ljm	10/26/2004	IA-OA2/S-8015	7,600	WAIER
Motor Oil	513	ug/I		ljm	10/25/2004	IA-OA2/S-8015	380	WAIER
VOA Preservation pH	>2 0	units		ake	10/26/2004	SW 9041A		WAIER

All results are calculated on a wet weight basis

704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 17851 244th Avenue

10/28/2004

Job Number: 04.14931

Bettendorf, IA 52722

800-728-6900

Sample Number: 832771

Collected by: Don Stribling

Collectors Phone No: 800-369-3500

Job Description: CLINION USI-MCDONALDS

6246500

Date Taken: 10/20/2004

Sample ID: MW2 Date Received: 10/22/2004 Result Date Quantitation Result Units Flag Analyst Analyzed Method <u>Limit</u> Matrix USI VOLAIILE COMPOUNDS - 8260 Benzene <1.0 ug/I dmd 10/26/2004 IA OA-1/8260B 1..0 WAIER Ioluene <1.0 ug/I 10/26/2004 IA OA-1/8260B 1..0 WATER Ethylbenzene <1..0 ug/I dmd10/26/2004 IA OA-1/8260B WATER 1.0 Xylenes <3..0 ug/I 10/26/2004 IA OA-1/8260B dmd 3.0 WAIER MIBE <1 0 ug/I dmd 10/26/2004 IA OA-1/8260B WAIER Extraction Prep COMPLEIE 10/22/2004 acm IOWA-0A2 WATER EXIRACIABLE HYDROCARBONS-WATER Iotal Extractable Hydrocarbons 934 ug/I ljm 10/25/2004 IA-OA2/S-8015 380 WATER Diesel <380 ug/L 10/25/2004 IA-OA2/S-8015 380 WATER Gasoline 934 ug/I 10/25/2004 lim IA-OA2/S-8015 380 WATER Motor Oil <380 uq/I 10/25/2004 1jm IA-0A2/S-8015 380 WATER VOA Preservation pH <2 units mmk 10/28/2004 SW 9041A WAIER

All results are calculated on a wet weight basis

ANALYTICAL REPORT

Susan Frett SENECA ENVIRONMENTAL SERV. 10/28/2004

17851 244th Avenue

Job Number: 04,14931

Bettendorf, IA 52722 800-728-6900

Sample Number: 832772

Collected by: Don Stribling Collectors Phone No.: 800-369-3500

Job Description: CLINION USI-MCDONALDS

Date Taken: 10/20/2004

6246500

Sample ID: MW3

Date Received: 10/22/2004

oampre 10. Mas						Date Received	. 10/22/2004	
			Result		Date		Quantitation	
Analyte	Result	<u>Units</u>	<u>Flaq</u>	<u>Analyst</u>	<u>Analyzed</u>	Method	Limit_	<u>Matrix</u>
USI VOIAIILE COMPOUNDS - 8260								
Benzene	<1 0	ug/I		dmd	10/26/2004	IA OA-1/8260B	10	WATER
Ioluene	48	ug/I		dmd	10/26/2004	IA OA-1/8260B	10	WAIER
Ethylbenzene	12	ug/I		dmd	10/26/2004	IA OA-1/8260B	10	WAIER
Wall and a		- /*		44	10/06/0004	** 0 1 (00 CO	2.0	612 7 77
Xylenes	55	ug/I		dmd	10/26/2004	IA OA-1/8260B	30	WAIER
MIBE	<1 0	ug/I		dmd	10/26/2004	IA OA-1/8260B	1.,0	WAIER
HIDE	~1 0	ug/I		ama	10/26/2004	IA (A-1/6260B	10	MATER
Extraction Prep	COMPLETE			acm	10/22/2004	IOWA-0A2		WAIER
	301112211				20, 55, 55			******
EXIRACIABLE HYDROCARBONS-WAIER								
Iotal Extractable Hydrocarbons	<380	ug/I		ljm	10/25/2004	IA-OA2/S-8015	380	WAIER
Diesel	<380	ug/I		ljm	10/25/2004	IA-0A2/S-8015	380	WATER
Gasoline	<380	ug/I		1jm	10/25/2004	IA-0A2/S-8015	380	WAIER
						-		
Motor Oil	<380	ug/I		ljm	10/25/2004	IA-OA2/S-8015	380	WAIER
VOA Preservation pH	<2	units		mmk	10/28/2004	SW 9041A		WAIER

All results are calculated on a wet weight basis.



TestAmerica Job Number: 04.14931

ATTACHMENTS

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For questions regarding this report, please contact the individual who signed the analytical report.

<u>#</u> KBK Site/Location ID: Project Name: Invoice To: Report To: Quote #: Project #: Phone 319-277-2401 or 800-750-2401 Fax 319-277-2425 Client #: Fax: Cedar Falls Division 704 Enterprise Drive Cedar Falls, 1A 50613 SOD(これま Test/\text{\text{}}merica Client Name Address:__ City/State/Zip Code: _ Project Manager: Telephone Number: Sampler Name: (Print Name) Sampler Signature:

Email Address:

1801 is this work being conducted for regulatory purposes? Compliance Monitoring State: To assist us in using the proper analytical methods, Critical USF

Standard Standard Standard Standard	ə	Maker R	Matrix Preservation & # of Containers अध्यक्ष के अध्यक	tion & # of	Container		38		Analyze For	2		QC Deliverables
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